



BADGER STATE Smoke Signals



Serving Amateur Radio In Wisconsin

Published Monthly Since 1969

Vol. 13, No. 8 - 162nd Consecutive Monthly Issue - Baraboo, Wis. Aug. 1983

from THE ARRL LETTER

ARRL CONTINUES FIGHT AGAINST NO-CODE

The ARRL filed its arguments against the FCC's proposed no-code amateur license (P.R. Docket 83-28) on June 28.

The ARRL comments are in six sections, starting out with a criticism of the Commission's rather deceiving structure of 83-28. The League points out that the no-code proposal is a classic example of a "catch-22 situation." In the first part of the NPRM, the FCC asks whether or not a codeless amateur license should exist. The second part of the Commission's proposal asks what the nature and extent of privileges this new type of license should have. Answering this second part of the

proposal would make anyone against the no-code license appear to accept or even advocate a no-code license. One wonders how many opponents of the no-code license fell into the Commission's trap by making suggestions to something they did not agree with!

Part two of the League's comments states that the League, its members and the amateur community, in general, strongly oppose any sort of codeless amateur license. The Commission's no-code amateur license idea is not new. The League further states that this is an
(continued on page 3)

K7UGA SUPPORTS LEAGUE

Senator Barry Goldwater, K7UGA, has notified FCC Chairman Mark Fowler that he is in full support of the ARRL's stand against the no-code proposal. His letter, dated June 29, is reprinted here.

The Honorable Mark Fowler
Chairman
Federal Communications Commission
1919 M Street, Northwest
Washington, DC 20554

Dear Mark:

You are by now in the possession of comments of the ARRL relative to the Notice of Proposed Rule Making in Docket 83-28. I completely support

these comments. I feel it would be a grave mistake to remove the code as a license requirement and I believe I have already outlined my opinions sufficiently to you that to elaborate now is not needed.

Your concern in this matter is greatly appreciated and I await your response.

With best wishes,

/s/

Barry Goldwater

Badger State Smoke SignalsOfficers:

Ken Ebnetter, K9EN, Chairman
 Jim Romelfanger, K9ZZ, Editor
 Jim Decker, W89UQT, Treasurer

Send editorial material and
 exchange papers to:

Jim Romelfanger, K9ZZ, editor
 1414 Martiny Ct., #6
 Baraboo, Wisconsin 53913

Subscriptions:

1 yr. \$ 6.00
 2 yr. 11.50
 3 yr. 17.00

to:

Badger State Smoke Signals
 Jim Decker, W89UQT, Treasurer
 P.O. Box 337
 Baraboo, Wisconsin

Send address corrections and
 changes to:

Kenneth A. Ebnetter, K9EN
 822 Wauona Trail
 Portage, Wisconsin 53901

from THE ARRL LETTER

Owen Garriott, WSLFL, has the official authorization from the FCC to operate an Amateur Radio station aboard the STS-9 mission, scheduled to lift off around the end of September.

Presently, Section 97.407 of the FCC rules requires an Amateur Extra station license for space operation. However, any amateur licensee can be the control operator in space, as long as he or she operates within his or her own license privileges. Since Garriott, an Advanced class licensee, would be operating his own station in space, a waiver of this rule was needed. Additional waivers of the rules regarding prior notification of space operations [Section 97.423(b)(1)] were needed because NASA did not approve the amateur operation in time for two of the three notifications required.

Now that WSLFL has the official okay from NASA and the FCC the STS-9 operating frequency ranges can be announced. Remember that these frequencies are subject to change, and that these will be frequency ranges in which WSLFL might be found. All operations will be F3 (FM) emission.

Space to Earth: 145.510 to 145.770 MHz.
 Earth to Space: 144.910 to 145.470 MHz.

These frequencies will allow operation from most parts of the world. Repeater inputs and outputs will be avoided. Complete details will be in the August issue of QST.

from THE ARRL LETTER

The FCC license forms shortage mentioned in the last issue has been cleared up, according to Larry Weikert, Chief of FCC's General Radio Branch. A shipment of the forms arrived at the FCC and as of June 23, all back-logged licenses had been issued. Weikert also reports that it is now taking between 20-25 working days to process routine applications.

Swapfest Corner

August 14: Hamfesters Radio Club will hold their 49th annual Hamfest and the celebration of their 50th year of service to Amateur Radio in the Chicagoland area at Santa Fe Park, 91st and Wolf Road in Willow Springs IL (near Chicago) Manufacturer's displays, Swapper's Row, early bird coffee, clowns and refreshments. Talk-in on 146.52. Tickets \$2.00 advance or \$3.00 at the gate. P.O. box 42792, Chicago IL 60642.

August 20: Hobby Fest '83 sponsored by the Green Bay Mike & Key Amateur Radio Club. General admission from 8:00 am to 4:00 pm. To be held at the Pumperin Park in Green Bay, Wisconsin. Family picnic grounds, free parking, radio swap, crafts, computer hard and soft ware, experimental items, radio/digital displays and demonstrations and a special link-up with the new phase III satellite! Admission \$1.00 (kids under 12 free). Table reservation \$4.00 per 4 foot section. For more information contact Pat Schwartz, KA9MHI, 1243 Crestwood Dr., Green Bay, WI 54304. (414) 499-1679

August 21: The Fox River Radio League Hamfest will be held at the Kane County Fairgrounds Exhibition Hall in St. Charles IL. Tickets \$2.00 or \$3.00 at gate. Jerry Frieders, W9TGP, 1501 Molitor Rd., Aurora, IL 60505. Talk-in on 146.94.

September 10: WNA picnic to be held at South Wood County park near Wisconsin Rapids - Details forthcoming.

September 24-25: Radio Expo 83. Displays of the latest in person-to-person communications...How-to and Technical sessions...Discussions with FCC and ARRL spokesmen...Ladies' program...Free camping...Home computer technology. Lake County Illinois Fairgrounds. Rts. 45 & 120, Grayslake, IL. Halfway between Chicago and Milwaukee. Talk-in 146.16/76, 146.52, 222.5/224.1. Tickets \$4.00 for both days (\$3.00 in advance) Box 1532, Evanston, IL 60204

 *
 * We are sorry to report the following Silent Keys: *
 *
 * Herman "Butch" Greve, W9ENC, Hilbert *
 *
 * A. W. "Bud" Tandy, K9KNC, Verona *
 *
 * Irv Kraetzer, W9DQG, Lowell *
 *

(no-code continued)

especially inappropriate time to introduce any new form of license, because of the pending volunteer examination proposal. The volunteer exam proposal is in PR Docket No. 83-27. (See QST for June 1983 p. 60)

The ARRL at first maintained a fairly neutral position on the no-code issue, in order to allow the amateur community to come to its own opinions either for or against the Commission's no-code proposal.

This effort was made at some cost to the League. Some members resigned their memberships, believing that the League's initial neutral stand on the FCC proposed no-code license meant that the ARRL might eventually support the proposal. Because of so much opposition to the codeless amateur license, the ARRL Board of Directors at its April meeting (Vol. 2, No. 9) resolved to fight the no-code issue "in the strongest possible manner."

The third part of the League's arguments against the no-code license points out that the benefits of a codeless license are "illusory and insubstantial." The Commission believes that the codeless license will attract young, computer-oriented individuals to ham radio. It should be plainly seen that an interest in computers does not necessarily mean that there is an interest in ham radio, and vice-versa.

The Commission also seems to believe that the elimination of the Morse requirement will assist handicapped individuals in participating in Amateur Radio.

This is simply not true. There are many instances in which physically handicapped individuals, not necessarily hams, communicate via the Morse code. Attached to the League's comments were two newspaper articles about handicapped individuals who are able to communicate only by using Morse code. The Morse code is an international, universally understood language. It is a language that breaks all barriers to the handicapped, enabling the handicapped individual to converse with all other radio amateurs on an equal basis. Rather than being an advantage for handicapped individuals, a codeless license would create a class of amateurs who would not be able to communicate with these individuals. Many of these same handicapped hams lead useful and productive lives providing valuable public ser-

vice and emergency communications.

Moreover, handicapped applicants have expressed their desire not to be given special treatment or dispensation of the basic qualifications of an amateur license.

The benefits and advantages of the Morse code are brought up in the League's fourth argument. CW communications use the least amount of spectrum space, all language barriers are eliminated, communications reliability is enhanced and the Amateur Radio Service is the only national reserve of trained communicator/technicians skilled in the Morse code.

Fifth, the League critiques the Canadian and Japanese versions of a no-code license. The Commission fails to see that the Canadian digital license has attracted only about 150 new amateurs in its four-year history. The Japanese no-code license, which, by the way, is in violation of International Telecommunication Union regulations, has resulted in problems with overcrowding, violation of power limitations, TVI and RFI, and a tendency for newcomers to lose interest in ham radio after about a year. ITU regulations prohibit operation on the hf bands without knowledge of Morse code. There is little interest in upgrading. Moreover, there is little participation in the public service aspect of Amateur Radio in Japan, compared with the public service U.S. amateurs provide.

Sixth, the League states that knowledge of the Morse code requirement is a major factor in the history of rule compliance in the Amateur Radio Service. The pride and discipline needed to learn the code necessary to become an amateur results in appreciation of privileges on radio frequencies. We all know of the problems that have come about after the Commission created the Citizens Band Radio Service (CB).

National confidence in public education systems is suffering, caused in part by the lack of discipline and challenge of school curricula. Automatic promotions and underachievers that exist in the nation's schools exist in other fields of endeavor. Yet this is not occurring in Amateur Radio. The Amateur Radio Service still maintains a high level of entrance standards. To lower these standards risks devaluating the amateur service.

The ARRL is presently working on reply comments, which are due by July 28.

by Richard R. Regent, K9GDF
5003 S. 26th St.
Milwaukee WI 5321

While most hams across the country were participating in Field Day on Sunday, June 26, 1983, members of the Milwaukee Amateur Radio Emergency Service were getting ready to provide communications for an unforgettable event.

This is the first day of the year for temperatures to soar over 90, in fact, it is a sunny, hot and muggy, 96 degrees. What a day for a parade. At 10 a.m., the parking lot at the Milwaukee Red Cross Building fills with cars sporting various ham call plates. Hams emerge carrying clipboards, papers, pens and two-meter handhelds. They're five hours early, but won't have a moment to spare. Special orange jackets are issued to each operator for official access past police lines, and are tied around waists because of the sweltering heat. These operators will provide communications for the staging area near the starting line of the first Milwaukee City of Festivals Parade.

Two-meters comes alive. One ARES member radios to report he has an injury in the family and can not participate. Another has his car water pump fail and will be late. Standby operators immediately fill the vacant positions. The ARES repeater is activated to give timely announcements about the coming day's operation and answers to questions. Two dozen other operators, forming a second group, listen at home. They will report to parade route positions later. Staging duties are checked and group one communications return to their cars to drive to their specific assignments.

Once on location, communications start with requests to locate parade officials, who are wearing bright orange sport coats, and to exchange information between them. A brick is discovered missing in a decorative crosswalk on the route, a potential hazard to floats, so a public works inspector makes a call for repairs. A procedure is set up for lost children, monitored by a police liaison, in which parent inquiry or lost child descriptions can be announced on the net for matching. The basic order of the day is for hams to provide communications for disoriented persons or those needing assistance, but to leave parade decisions to parade officials and medical or first aid care to Red Cross volunteers.

At the starting line is Milwaukee County Emergency Coordinator, WB9SMH, assisted by WD9IKS, working with a parade marshal. In four hours they will be faced from the south by 30 marching bands, from the west by 19 floats and from the north by 21 groups of folk dancers, clowns, ethnic paraders and color guards. The bands will be made up of 50 to 150 marchers each. Dozens of busloads of marchers with musical instruments, banners or flags, some from as faraway as Georgia, are already arriving on the scene. Communicators, W9ZAG and WD9SRI, pair up with parade band officials. Floats, which cost \$10,000 to \$25,000 each and took many months to build, loom motionless in a line several blocks long. Many floats are so huge they could easily carry a 40-meter dipole at thirty feet. Parade float officials team up with WB9NNJ and WB9YSG. Meanwhile, the 440 MHz administrative channel is checked. Parade headquarters is set up in a recreational vehicle, where two parade officials, plus K9GDF and his wife N9DIJ, handle special telephone inquiries using a temporary phone installation and two-meter equipment.

It is two hours to starting time. The second group of operators arrive and take their positions at one block intervals along the parade route. Girl Scouts, handing out programs along the parade route, do not know they are to be in the parade. Net controls, WA1REL and WB9BZC, requested by scout leaders, announce that all scouts along the route will be picked up in a brown scout van and then will be taken to the staging area to march in the parade. With two-meters and operators spaced at one block intervals, this assignment is carried out immediately along the entire parade route. This same coverage could also allow answering of individual scout questions.

It is now one hour before the parade. People are coming from every direction, parade watchers line the route four deep on both sides of the street, while crowds bulge seven deep elsewhere. Some estimates put the crowd at 300,000. Many people watch from offices and apartments above. Helicopters, providing part of live coverage on two local TV stations, circle overhead. Clowns tell jokes, marching bands tune up and practice, and float builders place fresh potted plants on floats. The ARES repeater handles an uninterrupted flow of messages, request last minute parade changes, and information between parade officials.

The Mayor and his wife arrive to ride the lead float. Charlotte Rae, TV Star of "The Facts of Life", takes her position as Grand Parade Marshall in a sleek antique convertible.

Five minutes to starting time, messages taper to a silence filled with anticipation. No transmissions are made for nearly two minutes. Forty ham radio operators are in their positions and ready to provide communications for the Milwaukee City of Festivals Parade.

At precisely 3 p.m., parade officials give the starting signal and net control relays to all operators - the parade has officially begun. The click of drum sticks resounds between downtown buildings as the Milwaukee Police Band moves out, the Parade is on schedule. The band crosses the starting line playing "On Wisconsin", crowds cheer and applaud. Suddenly, the full brass sections combine with loud bass drums join to further overwhelm and delight listeners. Operators nearby press earphones tight in order to hear communications.

A title banner is spotted out of sequence, a radio call is all that is needed to pull it out and hold it for the right spot. Merging bands, floats, and paraders continue to make up the parade.

The float drivers are cramped, have restricted vision, and the heat they now endure is fouling up their engines. The Polish Fest Float's engine groans lower and lower in pitch, wheels squeal, it jerks toward the starting line, and quits. An unexpected delay, but minimized by a radio call for a tow vehicle and change of plans to reroute floats around the stopped float. Next, the Fourth of July Celebration Float has engine trouble and the Rainbow Summer Festival Float is out of gas. Finally, the Afro Fest Float and the Indian Float break down at a turn and need to be towed.

Ham Communicators are kept busy, not only to report towing needs and parade delays or gaps to officials, but also to relay medical requests to the Red Cross. Eleven Red Cross areas, some with message runners, are spaced along the route. Hams provide vital linking communications to Red Cross officials, who in turn

coordinate ambulance and paramedic help for victims of the heat. Some marchers wear uncomfortable hot football-season wool uniforms and large caps in dark colors, while clown wear makeup, wigs, and elaborate costumes. Everyone is exposed to the relentless sun. Although the parade takes one-and-one-half-hours to pass any point, it takes over three hours to complete the long route. Thus, it is inevitable that people in the hot sun and in need of water are affected by heat-exhaustion or heat-stroke. During the parade 143 people are overcome by the sweltering heat, with around 350 treated. At least twenty-three people are taken to area hospitals, fortunately all were released after additional treatment. For hours, the heavy two-meter traffic frequently contains urgent reports of "spectator down" or "band-member out, unconscious, but pulse o.k."

The parade ends happily with the Keystone Cop Clowns.

Overall, ham operations provided reliable communications to resolve unanticipated problems with immediate action. There were many situations from which to learn appropriate actions to be applied in next year's parade or in a real emergency. The ten hour volunteer effort was one of the biggest ARES training exercises for Milwaukee and was made possible by the careful planning of WB9SMM. The next evening, ARES stations monitored the regular net for WB9SMM to give the prognosis. "This WB9SMM..." he said, quickly changing to an elated voice, "HOLY CATFISH - WHAT AN OPERATION!"

(ed note: Sounds like those great Circus Parade nets we worked til 1973. And... if there is a delay in the parade, -- the law is listening -- don't call it a "holdup"! k9zz)

```

*****
# ACHTENSCHUN COMPUTERWATCHERZ! #
# #
# Da machinen ist notdt for defingerpolken und #
# mittengrabben ist ezzu fur brekken das springwerks #
# Blown fusen mit loudischpopen und spitzenspoken. #
# Ist nix gewerken by dumkoffs! Das rubbennecken #
# sightseeren und stupidish gooffers bas relaxen, #
# kip in pokkets un votch das stoffs comoudt. #
# #
# DAS MANICHMENT #
# #
*****

```

"We offer you something to place on your computer equipment which might help keep off unwanted hands, It's been around a long time, the editor is unknown"

-- The Repeater Journal -- via ARNS BULLETIN

This year, 1983, the Liga Colombiana de Radioaficionados celebrates the 50th anniversary of its founding. In celebration of this event, special call signs will be used by the various divisions of the LCRA, and certificates will be awarded to stations who contact these special stations according to the following rules:

- 1) Any band, 10, 15, 20, 40, or 80 meters, can be used, c.w. or SSB.

- 2) Special stations will have the following calls: 5J1LR, 5J2LR, 5J3LR, 5J4LR, 5J5LR, 5J6LR, 5J7LR, 5J8LR, 5J9LR, 5J0LR, 5K1LR, 5K2LR, 5K3LR, 5K4LR, 5K5LR, 5K6LR, 5K7LR, 5K8LR, 5K9LR, 5K0LR

- 3) The certificate can be earned by working any eight (8) of the 5J-prefixes or any eight (8) of the 5K-prefixes. 5J and 5K prefixes CANNOT BE MIXED TOGETHER.

- 4) Send photocopies of the QSLs received to LCRA, P.O. Box 584, Bogota, Colombia, to obtain the certificate. There is no charge.

By month, prefixes will be available according to the following schedule:

| | | | |
|------------|-----------|----|-----------|
| January: | 5J3, 7 | -- | 5K1, 5, 9 |
| February: | 5J4, 8 | -- | 5K2, 6, 0 |
| March: | 5J1, 5, 9 | -- | 5K3, 7 |
| April: | 5J2, 6, 0 | -- | 5K4, 8 |
| May: | 5J3, 7 | -- | 5K1, 5, 9 |
| June: | 5J4, 8 | -- | 5K2, 6, 0 |
| July: | 5J1, 5, 9 | -- | 5K3, 7 |
| August: | 5J2, 6, 0 | -- | 5K4, 8 |
| September: | 5J3, 7 | -- | 5K1, 5, 9 |
| October: | 5J4, 8 | -- | 5K2, 6, 0 |
| November: | 5J1, 5, 9 | -- | 5K3, 7 |
| December: | 5J2, 6, 0 | -- | 5K4, 8 |

-- HK4FZ, Contest and Awards Chairman, LCRA

LARGE METEOR SMASHES VHF BANDS From GEARVAKf Bulletin

The two meter band from 144.0 to 144.09 will be out of service for over a month due to meteor damage, according a technical report issued by the FCC last week.

According to the report a very large meteor entered the earth's atmosphere about ten days ago, smashing through the VHF region, ripping a jagged hole in the frequencies extending from 141.79 to 144.09 MHz. The force of the collision was so powerful that some MegaHertz fragments were scattered from 107 to 186 MHz up and down the band, disrupting commercial FM, police, aircraft, public service, amateur and weather communications for up to an hour or more.

In the main impact area, no communications will be possible until repairs are made. And FCC spokesman, Mr. Ralph R. Spiffie, said that it could take up to three months to clean up and patch the damaged MegaHertz. Until the frequencies are fixed, the FCC has asked all operators to turn off their radios and use the telephone.

From ARNS Bulletin

Physics teacher: "What is a good conductor of electricity?"

Jr. Op: Why.....er.....

Teacher again: "Wire is correct. Very good. Now name a unit of electrical power."

Jr. Op: The.....what.....?

Teacher once more: "Right again. The Watt."

Yellow Thunder ARC Newsies:

August YTARC birthdaze:

Aug. 8 - Beverly Grant, WB9ZBS, Oxford
Aug. 16 - Jim Decker, WB9UQT, Baraboo
Aug. 25 - Ken Johnson, K9DZG, Mazomanie

Is it true y'all stopped having candles
on ur cakes? Have good ones! k9zz

Sentence Sermon:

The reason many children are on the
streets late at night is they are afraid
to be home alone.

-Baltimore News-American

Meeting Notes: A few of us braved the hot,
90^o+ temps to gether briefly at the
Baraboo Civic Center. Those sweating it
out were Jim Romelfanger, K9ZZ, Baraboo;
Ken Ebner, K9EN, Portage; Harry Mayland,
K9FFT, Baraboo and Jim Decker, WB9UQT,
Baraboo.

No minutes from last meeting. Treasurer
WB9UQT reported a balance at meeting time
of \$159.82. A few bills were approved by
the executive committee. We headed for
Henderson's for a gabfest. k9zz

NEW HAMS in YTARC Country - We extend
hearty congrats to these who took the
YTARC spring Novice course and now have
their tickets to the Amateur airwaves:

Bill Hommell, KA9QFJ, Baraboo
John McArthur, KA9QFM, Baraboo
Dominic Bianco, KA9QFK, La Valle

Welcome to Amateur Radio, and we hope you
will enjoy it for many years to come! zz

YTARC RAFFLE is off to a bangup start!
At the time this is written, ticket sales
amount to about \$360.00! We have a real
super salesman working (and it's not me
this time-zz). It looks realistically as
though we might profit in the area of
perhaps \$500.00. Proceeds go into the
equipment reserve fund. When the time
comes to allocate the money to a purchase
will you be there to make the decisions?

The club will have money, but it also
needs participation! k9zz

Stiff: Both Ken, K9EN and Phil, W9TP,
report they have had a dull speaker or
two lately. Seems four guys looked at
their watches...and seven more shook
them...

Know why policemen travel in pairs? One
lifts the wiper..while the other slips
in the ticket...A penny saved is a penny
earned..but a dollar saved - is an im-
possibility.

And...a blotter is something you look
for while the ink dries.

YTARC Meeting dates for the rest of 1983
are thus:

Thursday, August 11 Monday Sept 12
Tuesday Oct 11 Wednesday Nov 16 and
Thursday Dec 15. All meetings in room
34 of the Baraboo Civic Center. Don't
forget the junquefest/auction at the
November doings. k9zz

NOVICE EXAM CHANGES go into effect on
Sept. 1...ARRL Bulletin 59 from ARRL
Headquarters, Newington CT July 12 to
all Radio Amateurs BT

FCC has new Novice exam procedures
effective August 31. After the applicant
passes both sending and receiving tests
at 5 wpm, the volunteer examiner ad-
ministers a 20 question test taken from
200 questions furnished by FCC in PR
Bulletin 1035 A.

The names of successful candidates are
certified by the examiner and sent with
Forms 610 to FCC, Gettysburg, PA 17325.

Volunteer examiners must be over 18,
hold FCC General or higher licenses, not
related to applicant, not be in employer
/employee or employee/employee relation-
ship with applicant, or own a signifi-
cant interest in or be employed by any
company or entity engaged in manufacture
distribution of Amateur Radio equipment
or publications used in preparing for
Amateur exams.

Forms 610 and PR Bulletin 1035 A can be
obtained from FCC or ARRL Hq. Please
include s.a.s.e. AR

YTARC annual Fish Dinner Sept. 16 at
Pierce's, Baraboo. See flyer!

Just got word of another new Novice in Baraboo...congrats to:

Kevin Boyd KA9QGL

How 'bout it? New or upgraded Ham in your area? New calls? Tell us about it! Send to mr adr on p. 2 .. k9zz

Chug-Chug-Chug...From Marv Mahre, W0MGI of the St. Paul Radio Club...

The St. Paul Radio Club will operate a special event station, K0AGF, from 1400Z to 2300Z both Sept. 10 and Sept. 11 aboard a steam powered train (choo-choo) during "Jessie James Days."

Frequencies: SSB on 3948, 7267, 14288 and 21377. CW on 3552, 7107, 14057 and 21057.

A special "Railroad Mobile" certificate and QSL will be issued to those furnishing a 9 x 12" SASE with 37¢ postage and a QSL only to those furnishing a SASE with 20¢ postage. QSL to St. Paul RC, P.O. Box 30313, St. Paul, MN 55175-0313.

The hewmur in the above is mine-zz. Sorry, Marv!

More Chug-Chug from North Freedom WI... During Antique Transportation Days in La Rue, Wis., there were three real telegraphers working the 4 1/2 miles of track of the Mid-Continent Railroad Museum of North Freedom. The troops used American Morse, keying an audio tone into 2-meter FM rigs, and converting back to sounders with special converters. The meet took place July 22 and 23.

Operating were Bob, KA9GNY; Bill, AD9E and Sid, N0DJD.

Will we see you at the Experimental Aircraft Association annual convention July 30 thru August 6? Stop by the Amateur Station, W9KKK/9, in a trailer. Usual trailer QTH is a couple blocks north of the control tower. Stop in, leave your QSL card, sign the register and have a chat. Last year, Barry Goldwater turned up. You never know, you never do.

There is usually a toolbox to fix what you bust. It's at Wittman Field, just off Highway 41 at Oshkosh. For 1 week, the airport busier than O'Hare! See ya!

From the ARRL Letter: The League has submitted supportive comments on FCC's phone band expansion Further NPRM in Docket 82-83. The Commission's proposal for expansion of the 80-, 15-, and 10-meter phone bands is consistent with the position adopted by the ARRL Board in July of 1982. (See QST for Aept. 1982, page 48).

3750-3775 Extra

3775-3850 Extra and Advanced

3850-4000 Extra, Advanced and General

21200-21225 Extra

21225-21300 Extra and Advanced

21300-21450 Extra, Advanced and General

28300-29700 Extra, Advanced and General

While counseling against expansion of the 40-meter phone band generally, the League supports FCC's proposal to authorize 7075-7100 KHz for telephony operation in the State of Hawaii. Hawaii is quite close to ITU Region 3 where phone is allowed FCC licensees on these frequencies. This proposal would benefit Hawaiian Amateurs without causing and disadvantage to other U.S. Amateurs.

9th District Call Signs as of July 18:

| Group A | Group B | Group C | Group D |
|---------|---------|---------|---------|
| KW9L | KD9CH | N9EAT | KA9QEG |

The United States Air Force has informed the Federal Communications Commission that it sees a continuing need for Morse Code proficiency, and has recently reinstated the Morse Code requirement in its radio operator's course. Furthermore, should FCC adopt its no-code licensing proposal, these licensees would nonetheless be required to demonstrate Morse Code proficiency before being permitted to join Air Force MARS.

The Air Force position was communicated to ARRL by Oscar A. Goldfarb, Acting Deputy Assistant Secretary of the Air Force, in a July 5 letter.

Your August QST carries articles on How to work the shuttle, high-res SSTV, low cost modular RTTY and a boom-excited beam antenna. (Turn to next page)

Following from "Fox Tales", Green Fox ARC..

"Electronic Organ Manufacturer Tells Complainant to Stick Pin in Amateur's Cable".
(From August 1983 CQ.)

A well-known manufacturer of electronic organs recently advised an organ owner who complained of interference from a nearby Amateur station to "put a pin in the ham's coax." The "advice" was brought to the attention of the ARRL, which sent the following comments to the president of the company:

"Had the organ owner taken the advice of your man seriously and damaged the Amateur radio station's transmission line, he would have been criminally liable under Federal law for causing damage to a federally-licensed radio station. He could also have caused the radio transmitter to malfunction and possibly injure the operator.

"Not only would your employee be criminally liable as an accessory should someone actually follow such advice, (but) it is very possible that (name of company deleted ((unfortunately-zz)) could be held liable for personal and property damages under the doctrine of respondent superior. This doctrine establishes that an employer is responsible for the tortious acts of his employee which occur in the course of the tortfeasor's employment."

It is cases such as this which suggest that time is ripe for the FCC to consider susceptibility standards for electronic home-entertainment equipment...standards provided for under Public Law 97-259. The Federal imposition of standards is the only solution to the RFI problem, since the electronics industry has done little, if anything, to ensure that its equipment will operate properly in the presence of strong RF fields.

Your editor read Westlink Report and duly noted the item about "commerical" use of Amateur Radio. He then talked about, and gave on-the-air consideration as to what effect it would have on swap nets. Your editor got ridiculedagain. Why?

This sentence is much, much too long to

ACHTUNG! Mark your calendar NOW for Saturday, Sept. 10..it's the annual, very festive WNA Picnic at South Wood County Park. Gene, K9UTQ, can answer any questions you might have; he was on vacation as this issue was being typed up, so no further info right now. We do hope to send a postcard to remind you all. Let's try to reverse the downtrend in attendance - see you there. k9zz

BSSS Conrats go to Ray Snider, W9MNG, La Crosse, and the entire La Crosse gang for some great PR in the La Crosse paper about their Skywarn operation. It looked great. Thanx to Gerry von Klein, WA9GYF, for sending the clipping to me.

A BIG HAND to Rob Hummel, WA9ZTY, for a superb job as NCS of the Severe WX Net on 28/88 Baraboo. Rob has had his ears pummelled with hundreds of call signs during 3 big wx shots. TNX Rob!

(From Aug. '83 QST - League Lines...)

Senator Barry Goldwater will address Ham radio operators across North America via the Teleconference Radio Net (TRN), Sept. 1, at 7:30 p.m. Central Time. More than 75,000 Amateurs are expected to be listening to K7UGA thru TRN's interconnection of over 100 repeater stations in the U.S. and Canada.

For information on how to tie your repeater into the TRN, send a self-addressed, stamped envelope to Rick Whiting, WØTN, Net Manager, 4749 Diane Drive, Minnetonka, MN 55343.

(It is not known at this time which, if any, Wisconsin repeaters will carry the TRN. -k9zz)

From Dorothy, K9BBL... Husband: Why do you weep over the sorrows of people in whom you have no interest when you go to the movies? Wife: Why do you yell so loud when a man with whom you are not acquainted slides into second base?... Nothing is quite so annoying as to have go right on talking when you're interrupting?

Happy reading, gang...have a safe and happy summer. k9zz
zztype enprint 28Jul83 Mailed 7-29-83.

As of June 1, statistics for the Amateur Service by license class look like this. May 1 figures are shown for comparison:

| Class | May 1 | June 1 |
|-----------------|---------|---------|
| Extra Class | 32,588 | 32,922 |
| Advanced | 94,863 | 95,353 |
| General | 118,872 | 119,100 |
| Technician | 75,596 | 76,040 |
| Novice | 92,918 | 91,558 |
| Indiv Operators | 414,837 | 414,973 |
| Club stations | 2,627 | 2,592 |
| Military Rec | 213 | 203 |
| Secondary Stns | 257 | 256 |
| RACES | 535 | 535 |
| Total Stations | 418,469 | 418,559 |

(Thanks ARRL Letter).

Any business use of Amateur Radio is illegal, and the Commission has issued a regulatory clarification of Parts 97.114 and 97.3 to emphasize the scope of the prohibitions.

Specifically, Section 97.114, which constitutes the definition of "business" has been moved to the definitions section (97.3), and a new rule (97.110) has been added which simply says that any form of business communications are prohibited from taking place on the Amateur bands. FCC still defines "business" as being any form of communications that facilitates the business or commercial affairs of any party.

Examples of this, according to an FCC spokesman, include such items as ordering parts and/or services over an autopatch (yes-even ordering a pizza for dinner), passing payroll or other company information (such as calling your boss on an autopatch to tell him you are going to be late for work) and participation in Amateur nets where money exchanges (due to the sale or exchange of personal equipment) are of fundamental importance to operation. (Ed. note - This appears to consider that "swap nets" are probably illegal..) zz

The only exclusion to the "pecuniary Interest" prohibition appears to be volunteer news services such as WLAW (ARRL) or the Westlink Amateur Radio News (or other bulletin services) that provide

informative material free of charge to the Amateur, and avoid matters which might be deemed a violation of the "business ban."

The Commission says it issued the clarification after receiving hundreds of requests from Amateurs to take this action. Implementation is immediate, and only operations which can be construed as falling under the definition of the term "business" are affected by the clarification. (Copyright Poco Press, used by permission-Westlink Report.)

Here's your invitation to come and to enjoy the Yellow Thunder ARC's annual Fall Fish Fry at Pierce's Supper Club on South Blvd. in Baraboo. It'll be Friday, Sept. 16. Reservations must be sent to Jim Decker, WB9UQT, P.O. Box 337, Baraboo WI 53913-0337 by Sept. 10. Price for fish is \$5.25 a plate for beer batter fish, including potato and a few other goodies. Entertainment and prizes. See flyer with this issue. k9zz.

Des Moines Radio Amateur Association has a Ham and Computer Fest '83 on Sunday, August 14 at Veterans Memorial Auditorium, Des Moines. Doors open 9:00 a.m. Talkin 146.22/82 and 140.5 MHz or local repeaters. Admission at door \$4 or in advance \$3 with SASE to Betty Landers. NØDRV, Van Meter IA 50261 before Aug. 1.

ARRL will be represented, flea market, consignment tables and auction. Homebrew contest. Fest grand prize is \$1000 value radio/computer gear, no cash.

Does your club sponsor a swapfest or hamfest? Why not include it in our advertising page you see with each issue? Two annual ones are already there-every year. You can add yours and have it seen every month. Ad rates have not been set for 1984 yet, but the cost will likely not be more than \$40.00, and that will carry your advertisement thru the mail every month for a years' total of over 4000 copies. If you want details, please contact either Jim Decker, WB9UQT, P.O. box 337, Baraboo WI 53913-0337 or Ken Ebneter, K9EN, 822 Wauona Tr., Portage WI 53901 (608) 742-3560.

We urge you to buy at our advertisers stores! Tell em u saw it in BSSS. k9zz

WISCONSIN NETS ASSOCIATION BOOSTERS

Now is your opportunity to join the WNA BOOSTERS and help support the important activities of the WNA. As a BOOSTER you will receive a recognition certificate as a BOOSTER, a copy of the new WNA Manual and a one year subscription to the Badger State Smoke Signals monthly newsletter. Smoke Signals will carry two pages of information from the WNA nets and the Wisconsin Section ARRL leaders in addition to news from local clubs and information of general interest to Badger State amateurs. Send your \$10.00 contribution to the WNA treasurer and you can become a WNA BOOSTER. If you are already a Smoke Signals subscriber, your subscription will be extended one year.

----- tear here and send to -----

TREASURER, WISCONSIN NETS ASSOCIATION
RICHARD O. HUGI, KC9CJ
2962 N. 60TH ST.
MILWAUKEE, WISCONSIN 53210

DICK:

I WANT TO BECOME A WNA BOOSTER.

Enclosed is my check/money order for \$10.00.

I am active on the following nets: (none required to be a BOOSTER)

Name: _____ Call: _____

Address: _____

City: _____ State: _____ ZIP: _____

Yellow Thunder Amateur Radio Club, Inc.

1983 Fall Fish Fry

Friday, September 16

Pierce's Supper Club

Happy Hour - Dutch - 6:00 p.m.

323 So. Blvd.

Complete fish dinner - 7:00 p.m.

Baraboo, Wis. 53913

Entertainment and prizes

Raffle Drawing at 8:30 p.m.

Everyone is welcome

Price per plate: \$5.25. We hope to have some musical entertainment - this is being firmed up. We'll also enjoy a slide presentation by YTARC President Bob King, KA9QNY. You'll see some air shots by Bob and pix of other aircraft activities. There will be lots of prizes, too! Club membership is certainly not required. We hope to see you at this fun shindig! Come as you are. (No flashing or streaking allowed.) Please mark your calendar...fill out the reservation blank...write your check...and send to Jim Decker, WB9UQT, YTARC Treasurer, P.O. Box 337, Baraboo, Wis. 53913-0337. You may order from the menu if you wish. Please mark the blank accordingly. We will be waiting for you. Come...and enjoy!

-----Slash Here-----

Jim: Please make ____ reservations for the YTARC Fall Fish Fry on September 16. I will want fish ____ I will order from menu ____ . My check/money order in the amount of \$ _____ is enclosed. (Do not mail cash.) Name _____

Call (if any) ____ . Address _____

City _____ State ____ ZIP ____ Telephone _____

(Please note - The 5.25 per plate for fish is 50 cents above YTARC's cost. The half dollar pays for prizes. If you order from the menu, we ask, out of fairness to the group, you please pay Jim Decker your dinner ticket plus 50 cents for each off-the-menu item. In so doing, all will then share equally. Thank you. k9zz

BADGER STATE SMOKE SIGNALS

SUBSCRIPTION FORM

Dear Fellow Radio Amateur:

Subscriptions to Badger State Smoke Signals are now available to one and all. The paper will carry current Amateur Radio news, news about YTARC, MARA, WNA, ARRL and other clubs and groups in Wisconsin as well. You will be kept apprised of what is happening in our hobby - locally, regionally, nationally and around the world. Among the many features will be Sentence Sermons, member birthdays, swapfest calendar, ARRL section news, humor and excellent feature articles by well-known Amateurs in Wisconsin and elsewhere. Reports will be included from ARRL Bulletins, ARRL Newsletters, and Westlink Reports, along with items of interest from exchange newsletters and the ARNS.

Subscription rates: - 1 year - \$6.00 (12 issues)
 2 years - \$11.50 (24 issues)
 3 years - \$17.00 (36 issues)

If you wish to subscribe, please use the form below. Make checks or money orders payable to Badger State Smoke Signals. Send this form to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, Wis. 53913.

For information on how to get news of your club in Smoke Signals and special rates for clubs please contact K9ZZ, K9EN or WB9UQT.

-----rip here-----

Jim:

Enclosed is my check/money order for \$ _____. Please enter my subscription to Badger State Smoke Signals for _____ years.

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

BADGER STATE SMOKE SIGNALS

Jim Romelfanger, K9ZZ, Editor
(see page two for exchange address)

return address

Kenneth A. Ebnetter, K9EN
822 Wauona Trail
Portage, Wisconsin 53901

.....
: BULK RATE :
: U.S. POSTAGE :
: PAID :
: PERMIT # 265 :
: PORTAGE WI 53901 :
:.....:

If nobody is buying cars,
Which seems to be the case,
How does it happen that I still
Can't find a parking place?
--Dick Emmons

DATED MATERIAL -- PLEASE DON'T DELAY

RETURN POSTAGE GUARANTEED
ADDRESS CORRECTION REQUESTED

THIRD CLASS MAIL